

**Amendments to the Claims:**

**Listing of Claims:**

This listing of claims will replace all prior versions and listings of claims in the application.

**Claim 1 (previously amended):** A method for accelerating the clearance of hemorrhagic blood from the vitreous humor of a mammalian eye, comprising the step of injecting into the vitreous humor a solution which contains hyaluronidase from *Streptomyces hyalurolyticus* to provide a dose having a hyaluronidase activity of at least about 10 Turbidity Reducing Units (TRU) of said hyaluronidase, said solution being essentially free of contaminating protease.

**Claim 2 (canceled)**

**Claim 3 (previously amended):** A method of treating eye disorders comprising the step of applying essentially protease-free hyaluronidase from *Streptomyces hyalurolyticus* to the eye, wherein said hyaluronidase is dissolved in a saline solution, and wherein said treating of said eye disorders is the clearing of hemorrhagic blood from the vitreous humor of a mammalian using an amount of the hyaluronidase sufficient to clear the blood.

**Claim 4 (previously amended):** A method of treating eye disorders comprising the step of applying essentially protease-free hyaluronidase from *Streptomyces hyalurolyticus*

to the eye, wherein said hyaluronidase is dissolved in a saline solution, and wherein said treating of an eye disorder is the softening the cornea of a mammalian eye prior to refractive correction by using an amount of hyaluronidase sufficient to soften the cornea.

**Claim 5 (previously amended):** A method of treating eye disorders comprising the step of applying essentially protease-free hyaluronidase from *Streptomyces hyalurolyticus* to the eye, wherein said hyaluronidase is dissolved in a saline solution, and wherein said treating of an eye disorder is the spreading local anesthesia more effectively through ocular tissue prior to surgical interventions by using an amount of hyaluronidase ~~being~~ sufficient to spread anesthesia.

**Claim 6 (currently amended):** A method of treating eye disorders comprising the step of applying a mixture including essentially protease-free hyaluronidase from *Streptomyces hyalurolyticus* to a collagen-containing membrane, wherein said treating of an eye disorder is the isolating of collagen to produce contact lenses by using hyaluronidase from *Streptomyces hyalurolyticus*.

**Claim 7 (previously amended):** A method of treating eye disorders comprising the step of applying essentially protease-free hyaluronidase from *Streptomyces hyalurolyticus* to the eye, wherein said hyaluronidase is dissolved in a saline solution, and wherein said treating of an eye disorder is the stimulating of flow of physiological fluids in the eye which comprises contacting a physiological fluid of the eye with said hyaluroinidase using an amount of hyaluronidase sufficient to stimulate the flow of said fluid.

**Claim 8 (original):** The method of claim 7 wherein the physiological fluid in the eye is contacted for the treatment of glaucoma, thrombosis, detached or impending detached retina, or for the non-surgical removal of obstructions.

**Claim 9 (previously added):** The method of claim 1, wherein said hyaluronidase activity is in the range of about 100-300 Turbidity Reducing Units (TRU) of said hyaluronidase.

**Claim 10 (new):** The method of claim 6, wherein said collagen-containing membrane is cattle basal membrane.

**Claim 11 (new):** The method of claim 6, wherein said mixture comprises hyaluronidase from *Streptomyces hyalurolyticus*, pepsin, and acetic acid.